

Datasheet for ABIN389468

anti-Peroxiredoxin 2 antibody (C-Term)

4 Images

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Overview

Quantity:	400 µL
Target:	Peroxiredoxin 2 (PRDX2)
Binding Specificity:	AA 169-198, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PRDX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-198 amino acids from the C-terminal region of human PRDX2.
Clone:	RB20888
Isotype:	Ig Fraction
Predicted Reactivity:	B, Ha, Pr, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Peroxiredoxin 2 (PRDX2)
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Target Details

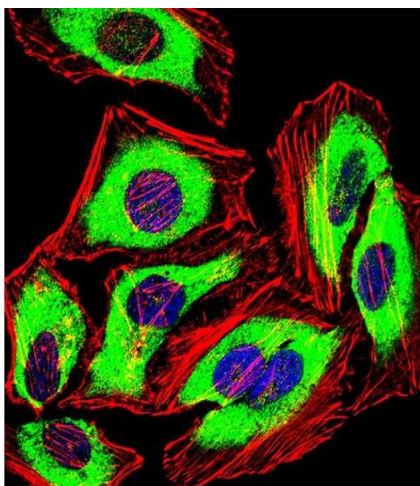
Alternative Name:	PRDX2 (PRDX2 Products)
Background:	PRDX2 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. This protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms.
Molecular Weight:	21892
Gene ID:	7001
NCBI Accession:	NP_005800
UniProt:	P32119

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

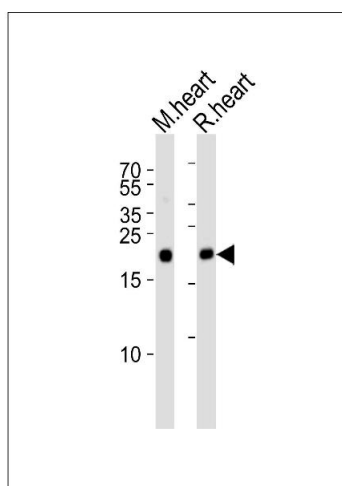
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



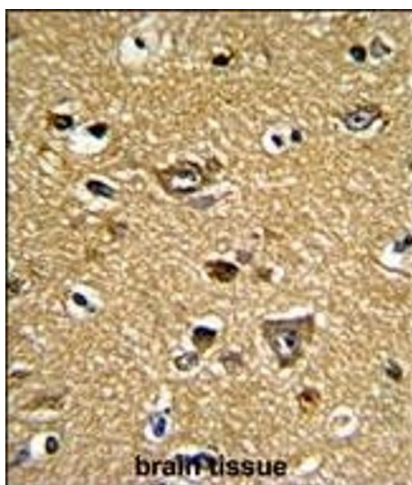
Immunofluorescence

Image 1. Fluorescent confocal image of HeLa cell stained with PRDX2 Antibody (C-term) (ABIN389468 and ABIN2839532). HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with PRDX2 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). PRDX2 immunoreactivity is localized to Cytoplasm significantly.



Western Blotting

Image 2. Western blot analysis of lysates from mouse heart and rat heart tissue lysate (from left to right), using PRDX2 Antibody (C-term) (ABIN389468 and ABIN2839532). (ABIN389468 and ABIN2839532) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human brain tissue reacted with PRDX2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN389468.